

brother® At your side.

BROTHER
EMBROIDERY
SYSTEMS



BE-090IEAC
BE-120IBAC



Since designing our first industrial sewing machine in 1928, Brother has enjoyed a reputation for innovation. We incorporated years of industrial sewing machine knowledge and engineering expertise into our line of computerized embroidery equipment. Case in point: the exclusive automatic oiling system found on our single head models revolutionized the industrial sewing machine market when Brother introduced it more than 70 years ago. And, the jumbo bobbin technology, another Brother first, which has performed to the highest standards of excellence for more than 40 years is found on all Brother computerized embroidery equipment.



World-class engineers and designers staff Brother's state-of-the-art Research & Development Center in Japan where they are constantly designing and refining embroidery technologies to solve embroidery manufacturing challenges.

BE-090IEAC/BE-120IBAC

- Single-head cylinder arm machine
- 9/12 needles
- Automatic color change
- Quick-change 270° cap system
- Jumbo bobbin
- Cam-driven, single presser foot for fast, quiet operation
- Noise reduction feed mechanism
- Automatic lubrication system
- Automatic top and bottom thread trimmers
- Maximum sewing speed of 1,200 spm
- Adjustable tubular frame holder
- Narrow machine design: machine will fit through a 32" door opening (with table assemblies removed)
- Trace mode for verifying location of designs before sewing
- Built-in 3.5" floppy disk drive enables the machine to run as an independent stand-alone unit and able to read all popular embroidery machine formats
- Machine memory of 45 designs (a total of 480,000 stitches)
- Back up or move forward through the design in increments of 1, 10, or 100 stitches or by color changes
- Capable of sewing flat, tubular, and finished cap items
- Memory retention after machine shut-off





AUTOMATIC LUBRICATION SYSTEM

Brother's unique wick oiling system significantly reduces machine maintenance downtime. Oil is poured into a conveniently located reservoir on the machine, and a wick that is threaded through the internal workings of the sewing head delivers oil when and where it is needed, eliminating the time-consuming task of oiling numerous hard-to-reach locations.



SINGLE CAM-DRIVEN PRESSER FOOT

Developed by Brother, the cam-driven presser foot allows the machine to run faster and quieter. The precise movement of the cam reacts faster than the previous spring-loaded technology and reduces the noisy pounding of the presser foot on the throat plate. The single presser foot also facilitates increased machine speed and less maintenance.



JUMBO BOBBIN

Maximize system productivity with fewer bobbin changes with the larger capacity, jumbo "M" style bobbins. Brother perfected the performance of the jumbo bobbin by designing the cams and gears inside the sewing head to accommodate the longer rotation of the larger bobbin.



EASY-TO-USE CONTROL PANEL

Start sewing faster with the simple, logical commands found on the control panel. For example, the hoop feed button moves the pantograph out from under the needles for trouble-free applique placement and easier loading and unloading of hoops.



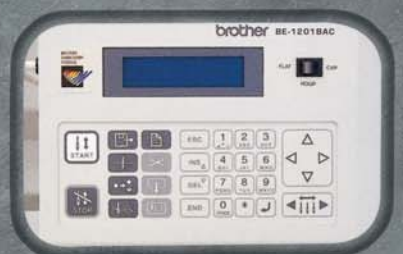
MEMORY RETENTION

Resume stitching a partially complete design after the machine has been turned off, unplugged, or even after power failure. Shut the machine off to work with a customer, go home for the evening, or even move the machine across town and never lose a stitch or go off registration — another Brother first.



INDIVIDUAL CAP FRAME ADJUSTMENT

Adjust the center point of the cap on each head independently while it's in the frame and mounted on the machine. Eliminate off-center designs and time-consuming framing adjustments with this advanced cap frame driver design.



BE-090IEAC BE-120IBAC

PRODUCT SPECIFICATIONS:

- Machine type: Single-head cylinder arm
- Number of needles: 9/12
- Maximum sewing speed: 1,200 spm
- Network capability: Connect multiple machines to one computer for networking
- Stitch length: (0.1mm – 12.7mm)
- Rotary hook: Jumbo "M" style bobbin
- Maximum field size for: X-axis "width" Y-axis "height"
- Flat: 450mm 300mm
- Tubular: 450mm 300mm
- Border: 450mm 300mm
- Wide area caps: 360mm 85mm
- Power source/consumption: Single phase 120V, 220V, 230V, 240V
- Dimensions: At delivery: 34" (W) x 29" (L) x 55" (H)
- After setup: 41" (W) x 40" (L) x 58" (H)
- Weight: 195 kg. / 430 lbs.

	Computer control type	Stand-alone type
Number of units connected to computer	To 4 units	N/A
Display	Computer monitor	Operation panel display

QUICK-CHANGE TUBULAR FRAME HOLDER

Two-piece tubular frame holder allows for quick and easy conversion from small to large tubular frames. Frame holder can be adjusted to accommodate a wide range of frame sizes, from large jacket back frames to small sock and pocket frames.



QUICK-CHANGE CAP FRAME (optional)

All-in-one cap driver and frame assembly allows for quick and easy conversion from sewing caps to flat or tubular goods, again minimizing machine downtime. Sew designs from "ear to ear" with the wide-area 270-degree frames.



FLAT FRAME AND REMOVABLE TABLE TOP

The table provides additional support when stitching flat goods such as towels or blankets.



BORDER (SASH) FRAME (optional)

Frame for sewing unfinished goods for patches or all-over embroidery patterns.



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